CONTENTS OF VOLUME 150

JANUARY/FEBRUARY 1994

Editorial:
A Great British Veterinary Journal
by A. J. Higgins 1

Guest Editorials:
Beyond transgenics: Ethics and values *by F. M. Loew* 3

FIV and HIV vaccines—problems and prospects *by D. A. Harbour* 7

Reviews:
Transgenic science *by E. R. Cameron, M. J. A. Harvey and D. E. Onions* 9

The development of a vaccine against feline immunodeficiency
by M. J. Hosie 25

An angiographic evaluation of vascular changes in sole lesions in the hooves of cattle *by S. S. Singh, W. R. Ward and R. D. Murray* 41

Exercise-induced connective tissue turnover and lipid peroxidation in horses *by P. C. Mills, J. C. Ng, J. Thornton, A. A. Seawright and D. E. Auer* 53

The role of *Branhamella ovis, Mycoplasma conjunctivae* and *Chlamydia psittaci* in conjunctivitis of sheep *by G. J. R. Dagnall* 65

Morphological differentiation of *Tritrichomonas foetus* from other protozoa of the bovine reproductive tract *by M. A. Taylor, R. N. Marshall and M. Stack* 73

Sequence of an exon of the canine p53 gene—mutation in a papilloma
by B. Mayr, K. Schellander, W. Schleger and M. Reifinger 81

Enzyme immunoassay of gonadotropin releasing hormone in the canine hypothalamus and plasma using monoclonal antibodies *by T. Inaba, S. Shimada, M. Gonda, J. Mori, T. Tokunaga, M. Geshi and R. Torii* 85

Laboratory and field trial assessment of protection given by a *Salmonella enteritidis* PT4 inactivated, adjuvant vaccine *by L. M. Timms, R. N. Marshall and M. F. Breslin* 93

Book Reviews 105

MARCH/APRIL 1994

Editorial:
The tortuous maze of inflammation – from hieroglyphic flames to gaseous free radicals *by A. J. Higgins* 107

Guest Editorials:
Studying parasitic diseases under an epidemiology-scope: A broader perspective *by L. T. Glickman* 111

Increasing hope for the incontinent bitch *by A. E. Hoppe* 113

Reviews:
Advances in anti-inflammatory therapy *by F. M. Cunningham and P. Lees* 115

Developments in the understanding of the pathophysiology of urethral sphincter mechanism incompetence in the bitch *by S. P. Gregory* 135

Predisposing factors of laminitis in cattle *by J. J. Vermunt and P. R. Greenough* 151

The epidemiology of *Ascaris suum* infections in pigs in Northern Ireland, 1969–1991 *by F. D. Menzies, E. A. Goodall and S. M. Taylor* 165

Ampicillin and its congener prodrugs in the horse *by P. Sarasola and Q. A. McKellar* 173

In vitro studies of *Dermatophilus congolensis* antimicrobial susceptibility by determining minimal inhibitory and bacteriocidal concentrations *by J. Hermoso de Mendoza, A. Arenas, J. Rey, J. M. Alonso, M. C. Gil, G. Naranjo and M. Hermoso de Mendoza* 189

The absorption of phosphate from the digestive tract of ruminant animals *by A. D. Care* 197

Book Reviews 207

Author's Corrigendum 209

Announcements 210

MAY/JUNE 1994

Guest Editorials:
Atlanta 1996 — Heat, humidity and horses *by G. P. Carlson* 211

Genome mapping in domestic animals *by P. E. Fischer* 215

Thermoregulation in the horse in response to exercise *by D. R. Hodgson, R. E. Davis and F. F. McConaghy* 219

Mapping the sheep genome: practice, progress and promise *by T. E. Broad and D. F. Hill* 237

Flunixin in the cat: A pharmacodynamic pharmacokinetic and toxicological study *by P. M. Taylor, J. G. Winnard, R. Jefferies and P. Lees* 253

Antimicrobial susceptibility of *Streptococcus suis* isolates *by P. L. Turgeon, R. Higgins, M. Gottschalk and M. Beaudoin* 263

Plasma enzymes and metabolites as potential prognostic indices of ovine pregnancy toxaemia—a preliminary study *by N. D. Sargison, P. R. Scott, C. D. Penny, R. S. Pirie and J. M. Kelly* 271

Proximal suspensory desmitis in the hindlimb: 42 cases *by S. Dyson* 279

Rotavirus infection in calves, piglets, lambs and goat kids in Trinidad
by J. S. Kaminjolo and A. A. Adesiyun 293

Short Communication:
The effect of immunization against theileriosis on the reproductive function of Boran/Friesian cross heifers—a preliminary study
by R. M. Rumberia, A. C. Rowland, E. D. Watson, R. M. Eley and A. S. Young 301

Book Reviews 305

JULY/AUGUST 1994

Guest Editorials:
Clinical observations and the veterinary clinical trial *by N. Chanter and J. L. N. Wood* 307

How parasites tolerate their hosts *by Lord Soulsby* 311

The role of meat hygiene *by A. M. Johnston* 315

Review:
Parasite enzymes and the control of roundworm and fluke infestations in domestic animals *by D. P. Knox* 319

Variation in the concentration of long chain free fatty acids in equine plasma over 24 hours *by C. E. Orme, M. Dunnett and R. C. Harris* 339

A DNA fingerprinting band associated with the susceptibility to CAE virus-induced arthritis in goats *by G. Dolf and G. Ruff* 349

Stress-induced changes in c-fos immunoreactivity in the porcine brain
by R. F. Parrott and S. B. Vellucci 355

Effects of antiarrhythmic drugs (verapamil, propranolol and lignocaine) on the electrocardiogram and haematology in adrenaline-induced arrhythmias in dogs anaesthetized with halothane *by Jafred M. A. Kitaa and Eric S. Mitema* 365

Evaluation of the risk of potential bacteraemia in carcasses from very young slaughter calves with localized navel ill *by M. E. Biss, S. C. Hathaway and A. C. Johnstone* 377

Short Communications:
Clinical observations on the use of oral amoxycillin/clavulanate in the treatment of gingivitis in dogs and cats and anal sacculitis in dogs
by R. L. Jones, K. S. Godinho and G. H. Palmer 385

Pharmacokinetics of metronidazole in calves *by K. Bhavsar and J. K. Malik* 389

Book Reviews 395

SEPTEMBER/OCTOBER 1994

Editorial:
'I gave him some bute to pass the veterinary inspection *by A. J. Higgins* 401

Guest Editorials:
Exploring and mapping the expanse of the genome *by S. M. Petersen-Jones* 403

The post-prandial intestinal hyperaemic response *by R. J. Washabau* 407

Microsatellite markers and the analysis of genetic disease *by N. G. Holmes* 411

Nutrient-induced changes in intestinal blood flow in the dog *by C. C. Chou and R. W. Coatney* 423

The use of arthroscopy in the treatment of septic arthritis in two highland calves *by G. A. Munroe and E. R. Cauvin* 439

Development of gene probes of *Dichelobacter nodosus* for differentiating strains causing virulent, intermediate or benign ovine footrot *by D. Liu* 451

Oxygen transport chain in double-muscled Blue Belgian cattle *by P. Lekeux, H. Amory, D. Desmecht, P. Gustin, A. Linden and F. Rollin* 463

Yersiniosis in sheep due to *Yersinia enterocolitica* *by H. Bin-Kun, X. De-Sheng, O. Hong-Bi, Z. Shi-Xiang and K. J. Slee* 473

Recurrence odds ratios for periparturient diseases and reproductive traits of dairy cows *by E. J. Peeler, M. J. Otte and R. J. Esslemont* 481

Ultrasound and progesterone monitoring of ovarian follicular cysts in cows treated with GnRH *by A. Y. Ribadu, H. Dobson and W. R. Ward* 489

Announcement 498

NOVEMBER/DECEMBER 1994

Editorial:
Sport, science and medication *by A. J. Higgins* 499

Guest Editorial:
Equine echocardiography *by J. D. Bonagura* 503

Models for assessing the relationship between drug concentration and drug effect in performance horses *by S. G. Kamerling and J. G. Owens* 507

Equine echocardiography—sound advice at the heart of the matter *by C. M. Marr* 527

The effectiveness of copper oxide powder as a component of a sustained-release multi-trace element and vitamin rumen bolus system for cattle *by J. J. Parkins, R. G. Hemingway, D. C. Lawson and N. S. Ritchie* 547

Detection of *Chlamydia psittaci* (*ovis*) antigen in tissue sections and McCoy cells using streptavidin-biotin and the IMAGEN™ staining method *by J. D. Amin and A. J. Wilsmore* 555

The use of long-acting oxytetracycline for the treatment of ovine footrot *by R. Grogono-Thomas, A. J. Wilsmore, A. J. Simon and K. A. Izzard* 561

Effects of luteolytic doses of prostaglandin $F_{2\alpha}$ and cloprostenol on concentrations of progesterone, luteinizing hormone, follicle-stimulating hormone, glucose, insulin, growth hormone, thyroxine, prolactin and cortisol in jugular plasma of lactating dairy cows *by N. Baishya, M. J. Cooper, I. C. Hart, P. S. Jackson, B. J. A. Furr, G. Jenkin and G. S. Pope* 569

Preliminary evidence for the enterohepatic circulation of progesterone in the pig *by H. W. Symonds, G. R. Prime and R. A. Pullar* 585

Peripheral blood concentrations of plasma steroids and a metabolite of prostaglandin $F_{2\alpha}$ in pregnant cows vaccinated against foot and mouth disease *by M. S. El-Belely, H. M. Eissa and I. M. Ghoneim* 595

Short Communication:
Stability of the gp53 gene of a bovine viral diarrhoea virus isolated at different times from a persistently infected steer *by D. J. Paton, J. P. Lowings and G. C. Ramirez* 603

Announcements 609

Index i